

Claims

1. A composition for delivery of diazepam consisting of a condensation aerosol
 - a) formed by volatilizing a thin layer of diazepam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of diazepam and condensing the heated vapor of diazepam to form condensation aerosol particles,
 - b) wherein said condensation aerosol particles are characterized by less than 5% diazepam degradation products, and
 - c) the condensation aerosol has an MMAD of less than 3 microns.
2. The composition according to Claim 1, wherein the aerosol particles are formed at a rate of at least 10^9 particles per second.
3. The composition according to Claim 2, wherein the aerosol particles are formed at a rate of at least 10^{10} particles per second.
4. The composition according to Claim 1, wherein said condensation aerosol particles are characterized by less than 2.5 % diazepam degradation products.
5. A method of producing diazepam in an aerosol form comprising:
 - a. heating a thin layer of diazepam on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the diazepam to form a heated vapor of the diazepam, and
 - b. during said heating, passing air through the heated vapor to produce aerosol particles of the diazepam comprising less than 5% diazepam degradation products, and an aerosol having an MMAD of less than 3 microns.
6. The method according to Claim 5, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.

7. The method according to Claim 6, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second.

8. The method according to Claim 5, wherein said aerosol particles are comprise less than 2.5 % diazepam degradation products.